

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior listing of claims in the application.

Listing of Claims:

1. (Currently Amended) A non-azeotropic solvent composition consisting essentially of trans 1,2-dichloroethylene and an effective stabilizing amount of each of:

- a. alkylene oxide having from 3 to 12 carbon atoms and a vicinal epoxy group,
- b. alcohol chosen from aliphatic and cycloaliphatic alcohols having from 2 to 8 carbon atoms, and
- c. material chosen from (i) lower alkoxyphenol, (ii) free radical stabilizer having at least one 2,2,6,6-tetra(lower alkyl)-1-piperidinyloxy-yl group or 2,2,5,5-tetra(lower alkyl) pyrrolidinyloxy group, or (iii) mixtures of (i) and (ii), wherein the trans 1,2-dichloroethylene is the primary solvent-providing halohydrocarbon of the solvent composition.

2. (Original) A composition according to claim 1 wherein the alkylene oxide has from 3 to 4 carbon atoms.

3. (Original) A composition according to claim 2 wherein the alkylene oxide is butylene oxide.

4. (Original) A composition according to claim 1 wherein the alcohol is an aliphatic alcohol having from 3 to 4 carbon atoms.

5. (Canceled)

6. (Currently Amended) A composition according to claim 1 wherein ~~the lower alkoxy-phenol~~ alkoxyphenol is a 4-alkoxyphenol.

7. (Original) A composition according to claim 6 wherein the 4-alkoxyphenol is 4-methoxyphenol.

8. (Canceled)

9. (Currently Amended) A composition according to claim 4-31 wherein the free radical stabilizer is a material having a 2,2,6,6-tetra(lower alkyl)methyl-1-piperidinyloxy-4-yl group.

10. (Previously Presented) A composition according to claim 9 wherein the free radical stabilizer is a material having the free radical group: 2,2,6,6-tetramethyl-4-hydroxy-1-piperidinyloxy, 2,2,6,6-tetramethyl-4-amino-piperidinyloxy, 2,2,6,6-tetramethyl-4-dimethylamino-piperidinyloxy, 2,2,6,6-tetramethyl-4-ethanoyloxy piperidinyloxy, 2,2,6,6-tetramethyl-4-oxo-1-piperidinyloxy or 2,2,6,6-tetramethyl-4-[(methylsulfonyl)oxy]-1-piperidinyloxy.

11. (Previously Presented) A composition according to claim 9 wherein the free radical stabilizer is a material having the 2,2,6,6-tetramethyl-1-piperidinyloxy-4-yl benzoate free radical group.

12. (Previously Presented) A composition according to claim 9 wherein the free radical stabilizer is a bis(2,2,6,6-tetramethyl-1-piperidinyloxy-4-yl) ester of a saturated dicarboxylic acid.

13. (Original) A composition according to claim 12 wherein the saturated dicarboxylic acid contains from 2 to 13 carbon atoms.

14. (Previously Presented) A composition according to claim 13 wherein the free radical stabilizer is bis(2,2,6,6-tetramethyl-1-piperidinyloxy-4-yl) sebacate.

15. (Canceled)

16. (Currently Amended) A composition according to claim ~~15~~32 wherein the 2,2,5,5-tetra(lower alkyl) pyrrolidinyloxy group is 2,2,5,5-tetramethyl pyrrolidinyloxy.

17. (Currently Amended) A composition according to claim ~~15~~32 wherein the free radical stabilizer is a material having a 2,2,5,5-tetramethyl-3-amino-pyrrolidinyloxy, 2,2,5,5-tetramethyl-1-oxa-3-azacyclopentyl-3-oxy, or 2,2,5,5-tetramethyl-3-pyrrolinyl-1-oxy-3-carboxylic acid group.

18. (Original) A composition consisting essentially of trans 1,2-dichloroethylene and an effective stabilizing amount of each of:

- a. butylene oxide,
- b. isopropyl alcohol, and
- c. a free radical stabilizer material having at least one 2,2,6,6-tetra(lower alkyl)-1-piperidinyloxy-yl free radical group.

19. (Original) The composition of claim 18 further containing an effective stabilizing amount of 4-methoxyphenol.

20. (Original) A composition consisting essentially of trans 1,2-dichloroethylene and an effective stabilizing amount of each of:

- a. butylene oxide,
- b. isopropyl alcohol, and
- c. 4-methoxyphenol.

21. (Currently Amended) A liquid non-azeotropic halohydrocarbon vapor degreasing solvent composition comprising 1,2-dichloroethylene as the primary halohydrocarbon degreasing solvent and an effective stabilizing amount of each of:

- a. alkylene oxide having from 3 to 12 carbon atoms and a vicinal epoxy group,
- b. alcohol chosen from aliphatic and cycloaliphatic alcohols having from 2 to 8 carbon atoms, and
- c. material chosen from (i) lower alkoxyphenol, (ii) free radical stabilizer having at least one 2,2,6,6-tetra(lower alkyl)-1-piperidinyloxy-yl group or 2,2,5,5-tetra(lower alkyl) pyrrolidinyloxy group, or (iii) mixtures of (i) and (ii).

22. (Original) The liquid composition of claim 21 wherein the 1,2-dichloroethylene is principally trans-1,2-dichloroethylene.

23-29. (Canceled)

30. (New) A composition consisting essentially of trans 1,2-dichloroethylene and an effective stabilizing amount of each of:

- a. alkylene oxide having from 3 to 12 carbon atoms and a vicinal epoxy group,
- b. isopropanol, and
- c. material chosen from (i) lower alkoxyphenol, (ii) free radical stabilizer having at least one 2,2,6,6-tetra(lower alkyl)-1-piperidinyloxy-yl group or 2,2,5,5-tetra(lower alkyl) pyrrolidinyloxy group, or (iii) mixtures of (i) and (ii).

31. (New) A composition consisting essentially of trans 1,2-dichloroethylene and an effective stabilizing amount of each of:

- a. alkylene oxide having from 3 to 12 carbon atoms and a vicinal epoxy group,
- b. alcohol chosen from aliphatic and cycloaliphatic alcohols having from 2 to 8 carbon atoms, and
- c. material chosen from free radical stabilizer having at least one 2,2,6,6-tetra(methyl)-1-piperidinyloxy-yl group.

32. (New) A composition consisting essentially of trans 1,2-dichloroethylene and an effective stabilizing amount of each of:

- a. alkylene oxide having from 3 to 12 carbon atoms and a vicinal epoxy group,
- b. alcohol chosen from aliphatic and cycloaliphatic alcohols having from 2 to 8 carbon atoms, and
- c. material chosen from free radical stabilizer having at least one 2,2,5,5-tetra(lower alkyl) pyrrolidinyloxy group.

33. (New) A liquid halohydrocarbon vapor degreasing solvent composition comprising 1,2-dichloroethylene as the primary degreasing solvent and an effective stabilizing amount of each of:

- a. butylene oxide,
- b. isopropanol, and
- c. material chosen from (i) 4-methoxyphenol, (ii) free radical stabilizer having at least one 2,2,6,6-tetra(methyl)-4-hydroxy-1-piperidinyloxy, or (iii) mixtures of (i) and (ii),

wherein the 1,2-dichloroethylene is principally trans-1,2-dichloroethylene.